CI	CHEMICALS, THE ENVIRONMENT, AND YOU: EXPLORATIONS IN SCIENCE AND HUMAN HEALTH				
	Alabama Science Standards – Life Science: Grade 7				
Lesson	Standard	Descriptor			
2, 4	1	Describe characteristics common to living things, including growth and development, reproduction, cellular organization, use of energy, exchange of gases, and response to the environment.  • Identifying homeostasis as the process by which an organism responds to its internal or external environment  • Predicting how an organism's behavior impacts the environment			
1, 5	7	Describe biotic and abiotic factors in the environment.			
	Alabama Science Standards – Physical Science: Grade 8				
2, 4, 6	1	Identify steps within the scientific process.  • Applying process skills to interpret data from graphs, tables, and charts  • Identifying controls and variables in a scientific investigation  • Measuring dimension, volume, and mass using Système International d'Unités (SI units)  • Identifying examples of hypotheses  • Identifying appropriate laboratory glassware, balances, time measuring equipment, and optical instruments used to conduct an investigation			
		Alabama Mathematics Standards – Grades 6 – 8			
		Grade 6			
Lesson	Standard	Descriptor			
2, 4	1	Demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.			
2, 4	2	Solve problems involving decimals, percents, fractions, and proportions.			
3	10	Interpret information from bar graphs, line graphs, and circle graphs.			
	Grade 7				
2, 4	1	Demonstrate computational fluency with addition, subtraction, and multiplication of integers.			
2, 4	2	Use order of operations to evaluate numerical expressions.			
2, 4	3	Solve problems requiring the use of operations on rational numbers.  • Describing the method used  • Determining the reasonableness of results  • Using percents to solve problems, including problems involving discounts, taxes, commissions, and simple interest			
2, 4	6	Solve one- and two-step equations.			

	11	Solve problems involving ratios or rates, using proportional reasoning.			
		Converting units of length, weight, or capacity from metric to customary and from customary to metric			
	Grade 8				
2, 4	1	Use various strategies and operations to solve problems involving real numbers.			
2, 4	3	Use order of operations to evaluate and simplify algebraic expressions.			
3, 4	13	Interpret data from populations, using given and collected data.  • Representing the data with the most appropriate graph, including box-and-whisker plot, circle graph, and scatterplot			
Alabama English Language Arts Standards: Grades 6 – 8					
		Grade 6			
Lesson	Standard	Descriptor			
1, 2, 4, 5, 6	3	Apply strategies that include making complex predictions, identifying the likely source of a text, and comparing to comprehend sixth-grade informational and functional reading materials.  • Drawing conclusions to extend meaning  • Making generalizations  • Using context clues to determine meaning  • Identifying sequence of events  • Previewing text features before reading			
4, 5, 6	4	Recognize the use of text elements, including implied main idea, explicit cause-effect relationships, and persuasive techniques, in sixth-grade informational and functional reading materials.  • Identifying details related to main idea			
4, 6	8	Compose in persuasive mode for a specific purpose and audience, including clearly stated opinions with supporting details and reasons or examples to influence thought or action.  • Using the steps of the writing process, including prewriting, drafting, revising, editing, and publishing in all forms of written composition  • Demonstrating use of graphic organizers for prewriting and drafting  • Organizing content of paragraphs and other written compositions, including topic sentences, supporting sentences, and concluding sentences with varied sentence structure  • Using transitional words or phrases to help create coherence in compositions  • Using tone appropriate to the topic, purpose, and audience			
4, 6	9	Utilize vocabulary and spelling skills, including using homonyms, synonyms, and antonyms in writing.			
4, 6	13	Utilize resource materials for supporting evidence in compositions.			
1, 4, 5, 6	14	Use organizing and paraphrasing in the research process.  • Taking notes to gather and summarize information			
All lessons	17	Use listening skills for remembering significant details, directions, and sequences.  • Summarizing messages for content and purpose			

		Practicing note-taking skills to gather and summarize information     Paraphrasing spoken messages to summarize or clarify			
		Recognizing propaganda as an art of persuasion in evaluating content and purpose			
	Grade 7				
Lesson	Standard	Descriptor			
1, 2, 4, 5, 6	4	Apply strategies that include setting purposes for reading, distinguishing fact from opinion, making generalizations, and reviewing to comprehend informational and functional reading materials.  • Determining sequence of events to enhance text understanding  • Using specific context clues to determine meaning of unfamiliar words  • Applying self-monitoring strategies for text understanding  • Drawing conclusions to determine unstated intent			
4, 5, 6	5	Recognize the use of textual elements, including main idea and supporting details, to gain information from various text formats, including graphs.			
4, 6	9	Compose in descriptive, narrative, expository, and persuasive modes with a thesis sentence and introductory, supporting, and concluding paragraphs when appropriate. Using transitional words and phrases for coherence			
4, 6	13	Apply steps in the research process to identify a problem or issue, locate resources and information, and present findings.  • Taking notes to gather and summarize information			
3, 4, 6	14	Present findings from inquiry and research using a variety of resources.  • Examples: projects, brochures, display boards, speeches, multimedia presentations			
All lessons	15	Demonstrate listening skills, including identifying the main idea, detail, purpose, and bias in group discussions, public speeches, and media messages.			
Grade 8					
Lesson	Standard	Descriptor			
1, 2, 4, 5, 6	4	Apply strategies appropriate to type of reading material, including making inferences to determine bias or theme and using specific context clues, to comprehend eighth-grade informational and functional reading materials.  • Applying self-monitoring strategies for text understanding  • Comparing predicted with actual content in informational and functional reading materials  • Distinguishing fact from opinion in informational reading materials  • Confirming author's credentials  • Determining sequence of steps, events, or information			
4, 6	8	Write in narrative, expository, and persuasive modes with attention to descriptive elements.			
4, 5, 6	14	Identify characteristics of spoken formal and informal language.			

Alabama Health Education Standards: Grades 6 – 8					
	Grade 6				
Lesson	Standard	Descriptor			
4, 5	1	Identify health advocacy strategies.			
5, 6	2	Identify services provided by local, state, and national health agencies and organizations.			
4, 5	4	Recognize criteria to be used in determining reliability of health information, products, and services.			
1, 5	5	Describe practices that are related to the control of disease and other health problems.			
2, 5	7	Describe current issues that relate to healthy living.			
All lessons	10	Apply effective verbal and nonverbal communication skills to enhance relationships.			
4	18	Describe the physical and social consequences of substance use and abuse.			
	Grade 7				
Lesson	Standard	Descriptor			
4	3	Identify appropriate providers for health care needs.			
1, 5, 6	4	Describe how health is affected by the environment.			
4	15	Analyze the short- and long-term effects of risk behaviors that compromise adolescent health.			
4	16	Describe the consequences of misusing legal drugs.			
	Grade 8				
5	3	Identify how public laws protect the environment.			
5	4	Recognize cultural influences that impact health behaviors.			
1, 2, 5, 6	5	Analyze how environment and personal health are interrelated.			
4	13	Identify the short- and long-term effects of using alcohol and other drugs, including legal and illegal substances.			